General Information

Also Covers
SV-A140 IK, SV-603 B, SV-605 B

Matrix

Item	See Model	Book
Deck Alignment & Adjustments	DX7 & DX 8 Mech	6

Recommended Safety Parts

Item	Part No.	Description
C1S03	2305-001021	C-FILM,MPEF;100NF20%,275V,TP,17.5X7X13.5,
C1S04	2305-001021	C-FILM,MPEF;100NF20%,275V,TP,17.5X7X13.5,
C1S05	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7
C1S06	2201-000934	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8, 10
C1S08	2401-001957	C-AL;47.0UF,20%,400V,GPTP18X25,7.
CN1S1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R3.96MM, STRAIGHT,SN SME LOCAL
D1S01	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR
D1S02	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR
D1S03	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR
D1S04	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR
F1S01	A3065-0157	FUSE;FST 250V 1 .6A 20MM SEMKO S505 C
IC1S1	1203-001049	IC-PWM CONTROLLER;1L0380,TO-220F4P,10MIL,PLASTI
IC1S2	B4161-0030	PHOTO-COUPLER;P52561-1 ST DIP
IC1S3	AC14-12006D	IC;KA431Z,TO-92,TAPING SME LOCAL
L1S01	AC29-30050A	FILTER-LINE NOISE;-,400UH,-,250V,-
L1S02	A1151-0042	COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHM
L1S05	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2K-,-,-,-,SME LOCAL
PT1S01	AC26-20120A	TRANS-SWITCHING;-,220V,UL/CSA,-,1000UH,-,SV-D1
VA1S01	1405-000186	VARISTOR;470V,4500A,17X12MM,TP SME LOCAL
VA1302	1405-000186	VARISTOR;470V,4500A,17X12MM,TP SME LOCAL

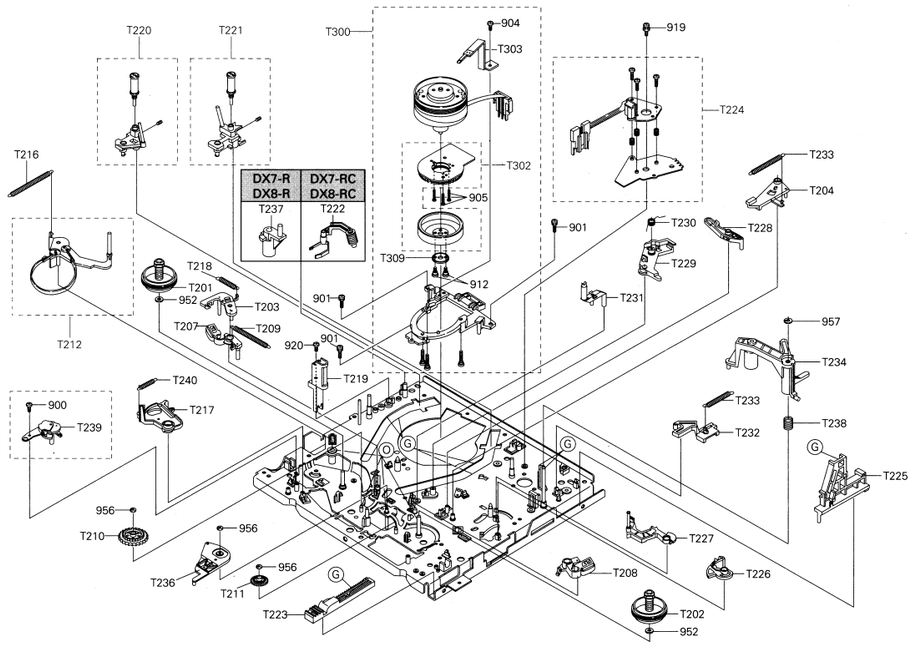
Mechanical Parts

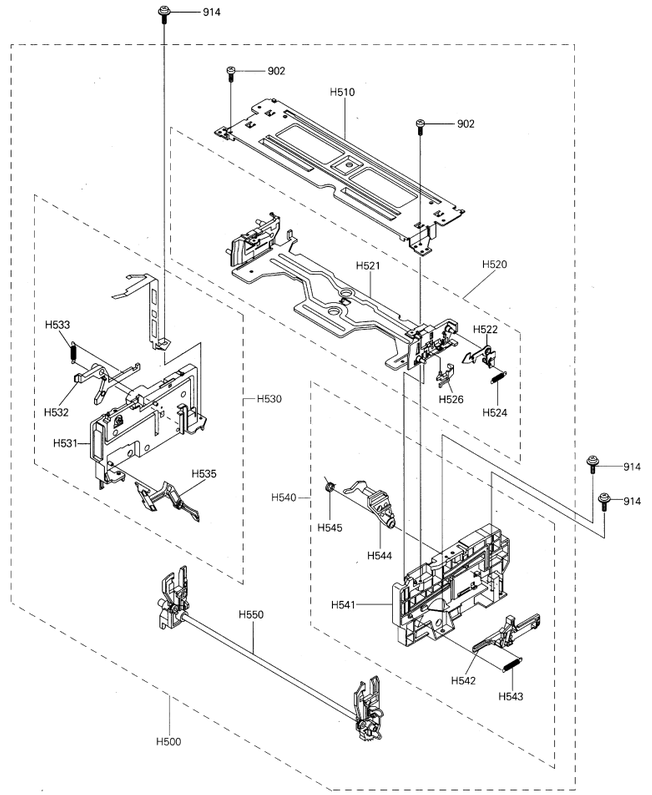
Item	Part No.	Description
900	AC60-12091A	SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB
901	AC60-10012A	SCREW-MACHINE;BH,+,M3,L8,-,FE,-,-,-
904	AC60-12125A	SCREW-PH;-,-,-, M3X6 TAP TITE,-,-,-,-,-
905	AC60-12096A	SCREW-MACHINE;FP,PH,-,M2.6,X10,SWRCH1-A,YEL
912	67094-604-710	SCREW-DAMPER;M2.0X7.0 SWCM 10(MFZN2-C)
919	AC60-10004A	SCREW-MACHINE;BH,+,M3,L8,ZPC,SWRCH18A,-,-,-
920	AC60-10007A	SCREW-TAPPING;BH,+,M2.6,L12,-,SWRCH18A,-,-,-
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,
956	AC60-30007A	WASHER-SLIT;PLAIN, ID2.5,OD7,T0.5,SPC1,-,-
957	AC60-30008A	WASHER-SLIT;-,ID3.5,OD9,T0.5,SPC1,-,-
T201	AC66-10023A	REEL-DISK L ASSY;POM,-,PACKAGE,X-5,-
T202	AC66-10022A	REEL-DISK R (ASSY);POM,-,PACKAGE,X-5,-
T203	AC66-30474A	BRAKE-SUB L;-,PBT,-,-,-,X-5/IS
T204	AC66-30148A	BRAKE-SUB R-ASSY;PBT,-,-,-,X5,-
T207	AC66-30475A	BRAKE-MAIN L ASS'Y;-, POM+PELT,-,-,-,X-5/IS
T208	AC66-30476A	BRAKE-MAIN R ASS'Y;-,POM+PELT,-,-,-,X-5/IS
T209	AC61-60112A	SPRING-BRAKE MAIN;ES,SUS304WPB,PI0.35,ID2.8,OD4.
T210	AC66-20073A	GEAR-RELAY S-ASSY;-,PEBAX,M0.5,M48,SP,X5,-
T211	AC66-20037A	GEAR-RELAY T;PEBAX7033,X-5,Z39,GEAR-SPUR,D1
T212	AC66-30073A	ARM-TENSION ASSY;-,-,-,CKD,DX5-R,-
T216	AC61-60119A	SPRING TENSION;ES,SWPB,PI0.35,ID2.1,L33(OD3.8),-,
T217	AC66-30470A	LEVER-REC S/W;-,PBT #3300,T4.0,L32,-,(X-5/IS
T218	AC61-62017A	SPRING-SUB BRAKE L;ES,SUS304,PI0.23,D3.5,L14.8,-,
T219	AC33-10003P	HEAD-MAGNET F/E;MH131S,-,-,-,L51.05XW7.4XH12.3
T220	AC66-82050A	SLIDER-G/R ASSY(S);-,-,-,-,X-5
T221	AC66-82059A	SLIDER-G/R ASSY T;-,-,-,-,X-7(VW-31H)
T222	AC33-10002E	HEAD-CLEANER;-,-,-,-,-,X-5 (OPTIONAL)
T223	AC66-20065A	RACK-HOUSING;L74.29,POM M90-44,BLK,M1,3.14,
T224	AC33-10215A	HEAD-ACE ALL ASSY;-,X-7,-,-,-
T225	AC66-80005A	SLIDER-PINCH;POM(M90-44),T2,L54.35,NAT,DX-5
T226	AC66-30014A	LEVER-REVIEW;ZYTEL(70G-43L),T3.8,-,PCD25.6,
T227	AC66-30099A	ARM REVIEW CKD;-,-,-,-,DX5-RV,-
T228	AC66-30013A	LEVER-PINCH CAM;PBT 6300T,-,L45,W9,X-5,-
T229	AC66-30003A	LEVER-PINCH COUP;PBT 3300,T7.5, L45.25,-,-,X-5
T230	AC61-60116A	SPRING-PINCH COMP;TS,SWPB,PI1.0,D6,L38(OD8),-,-
T231	AC67-32001A	PRISM-LED;PMMA,D5,IF-850,-,-,-
T232	AC66-82049A	SLIDER-PUSH;LUPOX 2150,T2,-,NTR,-
T233	AC61-62016A	SPRING-SLIDE PUSH;ES,SUS304WPB,PI0.55,D3.55,L24.
T234	AC59-90001B	UNIT-PINCH ROLLER;X-5,-,YAMAUCHI
T236	AC66-10010A	IDLER-ASSY;PACKAGE,-,X-5,-
T237	AC61-40054A	STOPPER-TAPE;POM M90-44,OD7,T1.5,NTR,X-5,- (OPTIONAL)
T238	AC61-60132A	SPRING ARM PINCH;CS,SUS304WPB,PI0.4,D7.1,OD7.9,
T239	AC66-30132A	LEVER JOG-ASSY;-,-,-,-.X5,-(DX8-R/RC ONLY)
T240	AC61-60505A	SPRING-REC S/W;-,ES,SUS304 WPB,PI0.29,PI3.5,-
T300	AC96-10473E	ASSY-CYLINDER;CX5-H6P/SEMA,V-2 PAL 6HEAD ONLY
T300	AC96-10474E	ASSY-CYLINDER;CX5-S2P/(LP) 2HEAD ONLY
T300	AC96-10010G	ASSY-CYLINDER;CX5-D4P 2HEAD ONLY
T302	AC31-12001M	MOTOR-CYLINDER;E20XL03,-,-

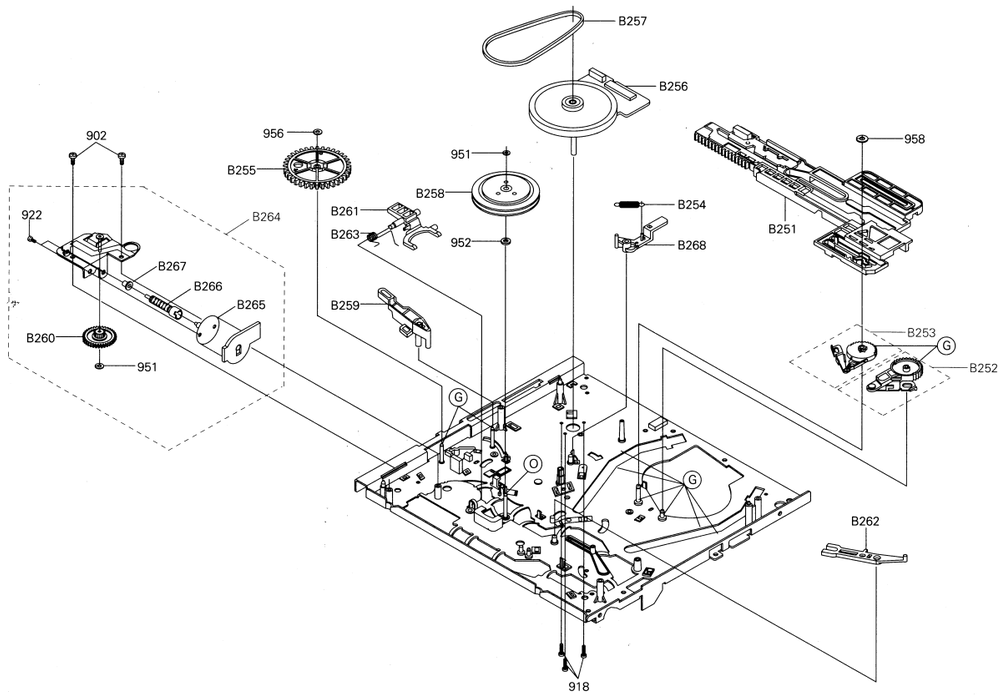
Mechanical Parts

Item	Part No.	Description
T303	AC33-12004S	HEAD-BRUSH(ASSY);SECC20/20+CARBON,-,-,-,-
T309	AC73-12001A	RETRINER-RUBBER(ASSY);SECC+SILICON,-,-,-
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY
918	AC60-10006A	SCREW-MACHINE;BH,+I90,M2.6,L7,ZPC,SWRCH18A,-
922	67008-130-171	SCREW PH;+M3X3 FE FZY
951	AC60-30025A	WASHER-SLIT;-,ID2.5,OD5.0,T0.5,POLY SLIDE,
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1
958	AC60-30028A	WASHER-SLIT;-,D2.5,D9.0,T0.5,NUMIRROR,-,-
B251	AC66-80001A	SLIDER-MAIN;PBT2002K,T12 .4,L206.2, NAT, DX-5
B252	AC66-20019A	GEAR-LOADING L ASSY;-,-,-,PACKAGE,-,X-5,-
B253	AC66-20069A	GEAR LOADING R;-,-,-,-,-,X5,-
B254	AC61-60115A	SPRING-BRAKE CAPSTAN;ES,SUS304WPB,PI0.4,D22,L16.1
B255	AC66-20004A	GEAR-MASTER;POM (M90-44), M 1,Z 60,SP,-,X-5
B257	AC66-62008A	BELT-CAPSTAN;5CM-70 FR,W2 T2 L88.6,-,-,-,-
B258	AC66-20066A	CLUTCH-ASSY;-,-,-,-,-,X5,-
B259	AC66-32185A	LEVER-SLIDER PINCH;PBT,T4,NAT,-,-,-
B260	AC66-20016A	GEAR- WORM WHEEL;POM SW-01 M0.55/M1 ,Z57/Z10,GEA
B261	AC66-30011A	LEVER- SHIFT;PBT2002K,T10.9,L35,-,-,-
B262	AC66-30012A	LEVER- IDLER CHANGE;PBT330,T3.3,L50,-,W6.0,-
B263	AC61-60111A	SPRING-LEVER SHIFT;TS,SWPB,PI0.7,D5.5,L1 3.8(0D6.9
B264	AC59-90001A	UNIT-LOADING ASSY;X-5,-,-
B265	66823-0060-00	MOTOR-LOADING ASSY; POM +RF370C X-5
B266	AC66-20039A	GEAR- WORM LO;PBT 2002 K-,-,-,D4.5,3,-
B267	AC61-20224A	HOLDER SHAFT;POM M90-44,T1.25,NAT,PI5XH5.5,
B268	AC66-30149A	BRAKE CAPSTAN-ASSY;POM,-,-,-,X5,-
902	AC60-10051A	SCREW-TAPPING;BH,-,-M3,L8,FZY
914	AC60-10067A	SCREW-TAPTITE;PWH,+,-, M3,L8, MFZN2-C,SWCH1018
H500	AC61-82014D	HOUSING-ASSY;-,X7FL26280A,230X130X60,-,X-7
H510	AC61-10006A	CHASSIS-UPPER;SECC 20/20,-T10,BLK,-,X5,-
H520	AC61-20932B	HOLDER-CASSETTE ASSY;-,X5FL06080A,-,-,-,X-7(CODO)
H521	AC61-20922B	HOLDER-CASSETTE;-,SECC T1.2,-,NAT,-,X-7(CODO)
H522	AC66-30018A	LEVER-LOCK R;SECC 20/20,T1.2,L44,W32,-,-
H524	AC61-60121A	SPRING-LEVER LOCK;ES,SUS304 WPB,PI0.2,D2.6,L9.9
H526	AC66-30019A	LEVER-KEY CASSETTE;LUCEL N109-LD,T2 .5, L20,W15.2,-
H530	62203-0105-00	CHASSIS-SIDE L(ASSY);ABS X5FL0505A X-5
H531	AC61-10004A	CHASSIS-SIDE L;ABS HF-380,-,T1 0,BLK,-,X5,BLK
H532	AC66-30004A	LEVER- LIGHT SHUTTER;LUCEL N109-LD,T2.5,L61.7,BLK,
H533	AC61-60142A	SPRING-LIGHT;ES,SUS304WPB,PI0.2,L11.4(OD3.7)
H535	AC66-30017A	LEVER-DOOR;LUCELN109-LD,T5,L74.3,W21.1,-,
H540	62203-0104-00	CHASSIS-SIDE R(ASSY);ABS X5FL0505A X-5
H541	AC61-10003A	CHASSIS-SIDE R;ABS HF-380,-,T10,BLK,-,X5,BLK
H542	AC66-80008A	SLIDER DAMPER;LUCEL N109-LD,T4,L87,-,-,-
H543	AC61-60120A	SPRING-SLIDE DAMPER;ES,SUS 304WPB,P10.4,D3.8,L25(O)
H544	AC66-30016A	LEVER-LID OPEN ER;LUCEL N109-LD,T5.0,L34.7,W16.6
H545	AC61-60123A	SPRING-LID OPEN ER;TS,SWPB,PI0.55,D8.9,L15(OD10),
H550	61403-0073-00	SHAFT-ARM(ASSY);SUM24L X5FL0405A X-5

Exploded Parts Views





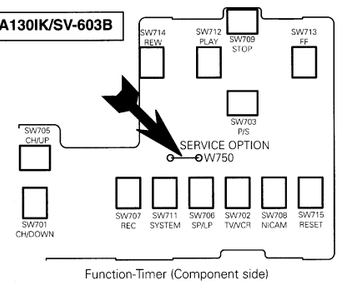


Connecting X-5 Jig

2-1-4 How to Connect X-5 chassis jig

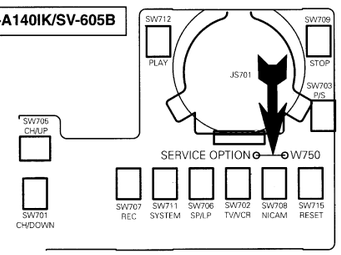
1. Unplug the power cord from AC outlet.
2. Remove the deck ass'y from main PCB
3. To emulate the function of the sensors, place a jumper or solder land (two point) at service option (W750) on the function-timer PCB. (see diagram below).

SV-A130IK/SV-603B



Function-Timer (Component side)

SV-A140IK/SV-605B



Function-Timer (Component side)

Note: After completing repairs, SW715 on the function PCB in order to reset.

4. Insert wafers of drum motor, capstan motor and loading motor on X-5 chassis jig into each of the connectors of deck ass'y, and then secure with three screws.
5. Solder the 3 leads of the jig cable to "CN605" on the main PCB.
6. Apply power to the function PCB.
7. Insert a test tape into the housing ass'y.
8. Simultaneously touch the start and end sensor LEDs on the PCB, so that the tape loads automatically. After the tape is loaded, all of the function buttons on the function PCB can be used.
9. If the test tape is ejected while the jig is in use, attempt to re-load the tape by simultaneously touching the start and end sensor LEDs. If the tape still does not load, reset the function PCB by pressing SW715.

Alignment & Adjustment

Note: After replacing the ass'y full deck, the ass'y main, the cylinder ass'y and the micom (IC601), the remote control ass'y can be used to adjust the "X-point (tracking center) adjustment" and "Head S/W point" adjustment.

5-1 Reference

5-1-1 The type of remote control ass'y

1. Remote control ass'y (AC93-10039Y/69099-633-252) is specified as a service jig in the service manual of X-5 /X-6(DX5-R/DX5-RC/DX6-R/DX6-RC) chassis. (See Fig. 5-1)
2. Normal remote control ass'y for X-7/X-8 (DX7-R/DX7-RC/DX8-R/DX8-RC) chassis. (See Fig. 5-2)

5-1-2 How to identify between normal remote control ass'y and multi remote control ass'y for X-71X-8 chassis (See Fig. 5-2)

1. The color of some buttons related to TV function are gold.
2. Audio button is added instead of the test button hidden behind of inlay.
3. The positions of some buttons are different.

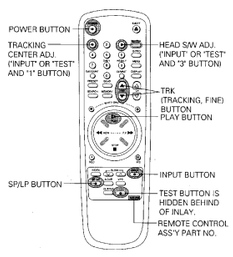

POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
INPUT BUTTON
SP/LP BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
REMOTE CONTROL ASS'Y PART NO.

Fig. 5-1 Remote Control Assy Jig for X-5/X-6 Chassis (AC93-1 0039Y169099-633-252)

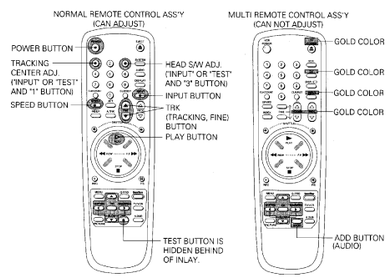
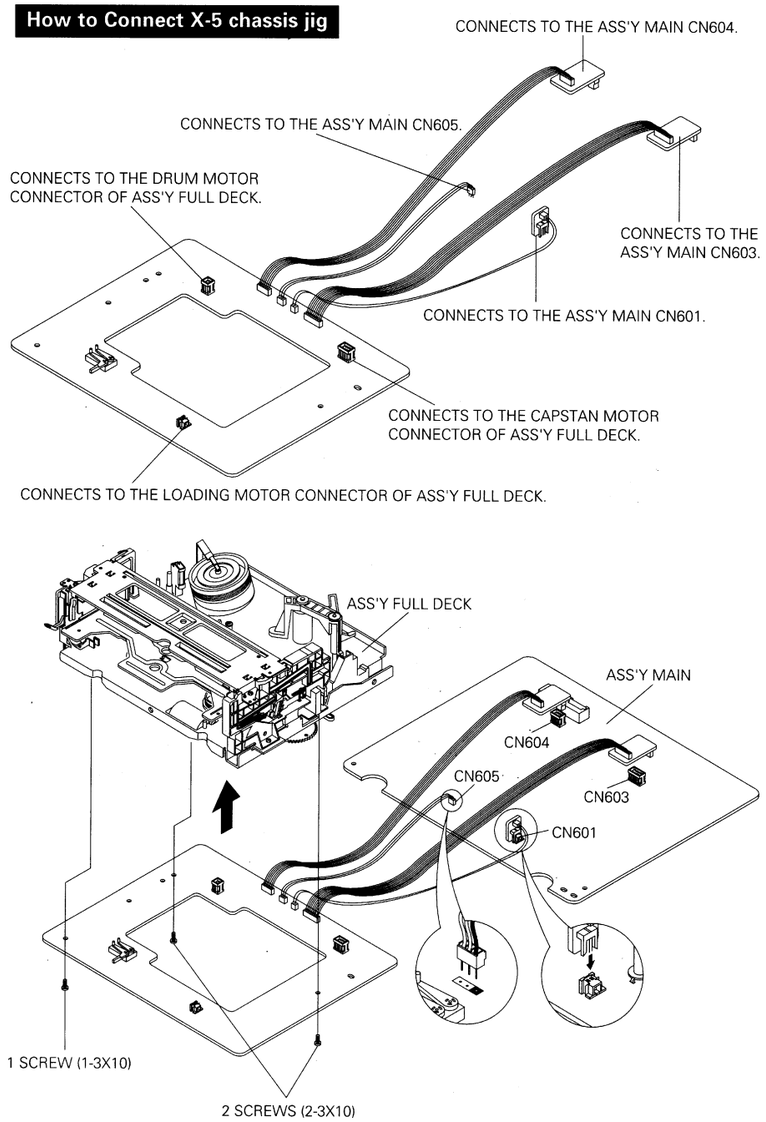

NORMAL REMOTE CONTROL ASS'Y (CAN ADJUST)
MULTI REMOTE CONTROL ASS'Y (CAN NOT ADJUST)
POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
SPEED BUTTON
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
INPUT BUTTON
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
GOLD COLOR
ADD BUTTON (AUDIO)

Fig. 5-2 Remote Control Assy for X-7/X-8 Chassis

How to Connect X-5 chassis jig


CONNECTS TO THE ASS'Y MAIN CN604.
CONNECTS TO THE ASS'Y MAIN CN605.
CONNECTS TO THE DRUM MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE ASS'Y MAIN CN603.
CONNECTS TO THE ASS'Y MAIN CN601.
CONNECTS TO THE CAPSTAN MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE LOADING MOTOR CONNECTOR OF ASS'Y FULL DECK.
ASS'Y FULL DECK
ASS'Y MAIN
CN604
CN605
CN603
CN601
1 SCREW (1-3X10)
2 SCREWS (2-3X10)

Mechanical Adjustment

5-2-1 The number and position of test point

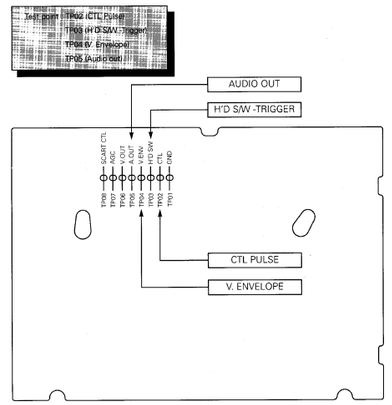


Fig. 5-3 The position of test point (Main PCB-Component side)

5-2-2 X-Point(Tracking center) adjustment (See the 2-2-1 (d) AC HEAD POSITION(X-POINT) ADJUSTMENT

5-2-2 (a) IF THE REMOTE CONTROL ASSY IS NOT AVAILABLE

1. Playback the colorbar alignment tape.
2. Connect CH-1 scope probe to "TP02" and CH-2 scope probe to "TP03". And then, trigger head switching pulse.
3. Set tracking preset to llmsec (2head 2.7msec, 4, 6head: llmsec) using the "FINE (Tracking, TRK)" button ▲ / ▼ of the other remote control ass'y except the remote control ass'y jig for X-5/X-6 chassis and the normal remote control ass'y for X-7/X-8 chassis.
4. Connect CH-1 scope probe to "TP02" and the CH-2 to "TP03" trigger on CH-1.
5. Insert the adjusting driver (+) into X-position adjusting gear. Adjust the driver in either direction for maximum envelope waveform.

Note: Since the adjusting gear unit may be damaged, do not adjust by force when adjusting the X-point using the adjusting driver (±). After turn the X-point adjusting screw (D) counterclockwise a little, perform the adjustment. After adjustment is completed, tighten the screw.

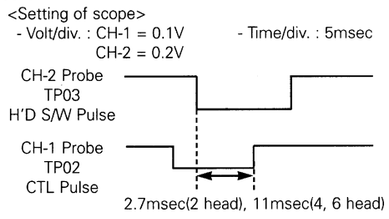


Fig. 5-4 Tracking preset adjustment

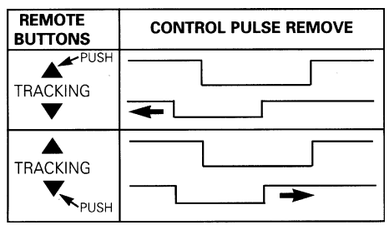


Fig. 5-5 Tracking preset adjustment

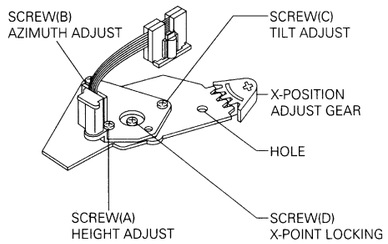


Fig. 5-6 Location of A/C Head adjustment screw

5-2-2 (b) IF THE REMOTE CONTROL ASSY (AC93-10039Y/69099-633-252) IS AVAILABLE

Note: How to use the "TEST" button.
1. Disattach the inlay of remote control assy. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "INPUT" button of remote control ass'y;

1) Simultaneously press the "INPUT" button and "1" button in PB mode. This will adjust the tracking center automatically.
2) Set the tracking preset using the"FINE (Tracking, TRK)" button of remote control.
3) After adjustment is completed, press the "POWER" button to release.

2. When using the "TEST" button of remote control ass'y;

1) Simultaneously press the "TEST" button and "5" button in PB mode. This will adjust the tracking center automatically.
2) Set the tracking preset using the "FINE (Tracking, TRK) button of remote control.
3) After adjustment is completed, press the "POWER" button to release.

5-2-2 (b) IF THE NORMAL REMOTE CONTROL ASSY OF X-71X-8(DX7-RIDX7-RCl DX8-R/DX8-RC) CHASSIS IS AVAILABLE

Note 1: Two kinds of remote control ass'y are used for X-7/X-8(DX7-R/DX7-RC/DX8-R/DX8-RC) chassis.

1. One is a normal remote control ass'y, the other is a multi remote control ass'y
2. All adjustments are adjusted by normal remote control ass'y only.
3. For the identification of normal remote control ass'y and multi remote control ass'y.

Note 2: How to use the "TEST" button.

1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "INPUT" button of remote control ass'y;

1) Simultaneously press the "INPUT" button and "1" button in PB mode. This will adjust the tracking center automatically.
2) Set the tracking preset using the "FINE(Tracking, TRK)" button of remote control.
3) After adjustment is completed, press the "POWER" button to release.

2.When using the "TEST" button of remote control ass'y;

1) Simultaneously press the "TEST" button and "5" button in PB mode. This will adjust the tracking center automatically
2) Set the tracking preset using the "FINE (Tracking, TRK) button of remote control.
3) After adjustment is completed, press the "POWER" button to release.

Electrical Adjustment

5-3-1Head S/W Adjustment

Note: Only remote control ass'y can adjust.

5-3-1 (a) IF REMOTE CONTROL ASSY (AC93-1 0039Y/69099-633-252) IS AVAILABLE

1. When using the "INPUT" button of remote control ass'y;

1) Insert an SP tape into the housing ass'y.
2) Press the "PLAY" button.
3) Press the "INPUT" button and "3" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After the adjustment is completed, press "POWER" button to release.

2. When using the "TEST" button of remote control ass'y;

1) Insert an SP tape into the housing ass'y.
2) Press the "PLAY" button.
3) Press the "TEST" button and "SPILP" buttons simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After adjustment is completed, press the "POWER" button to release.

5-3-1 (b) IF NORMAL REMOTE CONTROL ASSY FOR X-71X-8(DX7-RIDX7-RC/DX8-R/DX8-RC) CHASSIS IS AVAILABLE

1. When using the "INPUT" button of remote control ass'y;

1) Insert an SP tape into the housing ass'y.
2) Press the "PLAY" button.
3) Press the "INPUT" button and "3" buttons simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After the adjustment is completed, press "POWER" button to release.

2. When using the "TEST" button of remote control ass'y;

1) Insert an SP tape into the housing ass'y.
2) Press the "PLAY" button.
3) Press the "TEST" button and "SPEED" buttons simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After adjustment is completed, press the "POWER" button to release.

5-3-2 RF AGC Adjustment

Step	Adjustment Item
1. Mode and input signal / alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point / Test point

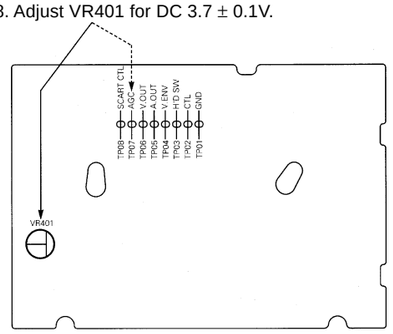
5-3-2 (a) ADJUSTMENT PROCEDURES

1. "F-F" (stop mode), RF signal.
2. TP07 and VR401.
3. Apply PAL color bar signal to the video input terminal of the TV channel generator and set

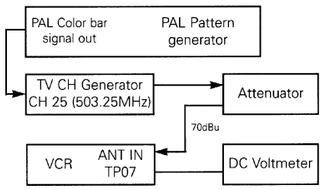
Electrical Adjustment Cont'd

channel selector to CH 25 (503.25MHz).

4. Adjust the point signal level so that the output of attenuator is 70dBu.
5. Apply the output of attenuator to the ANT IN terminal of VCR.
6. Set the channel of VCR to CH 25.
7. Connect DC voltmeter to TP07.
8. Adjust VR401 for DC 3.7 ± 0.1V.

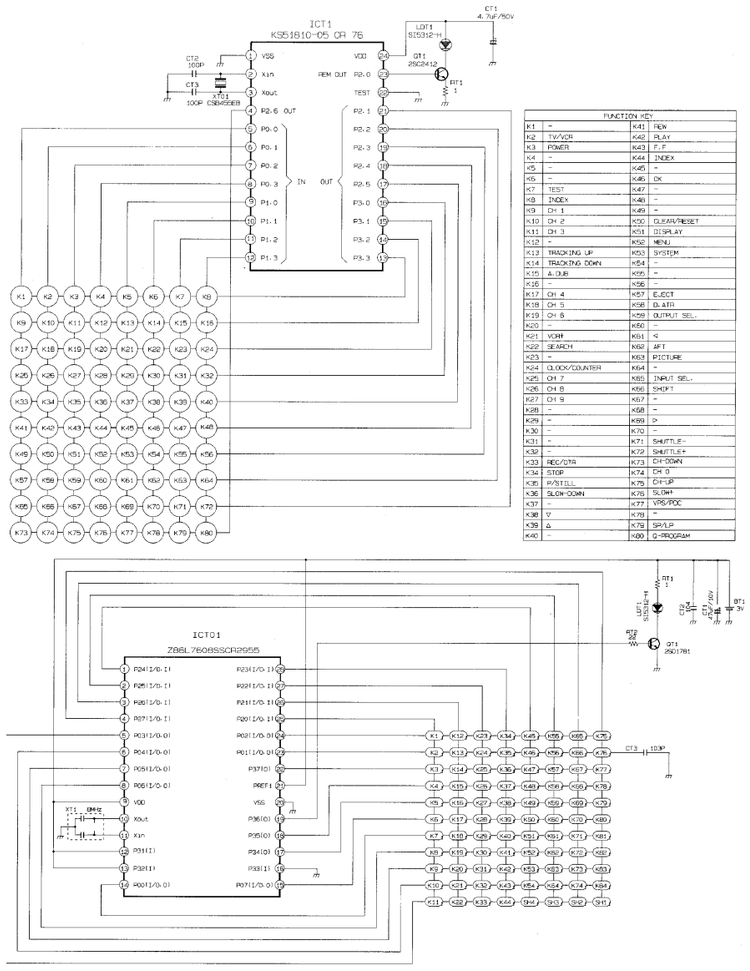


Main PCB (Component side)

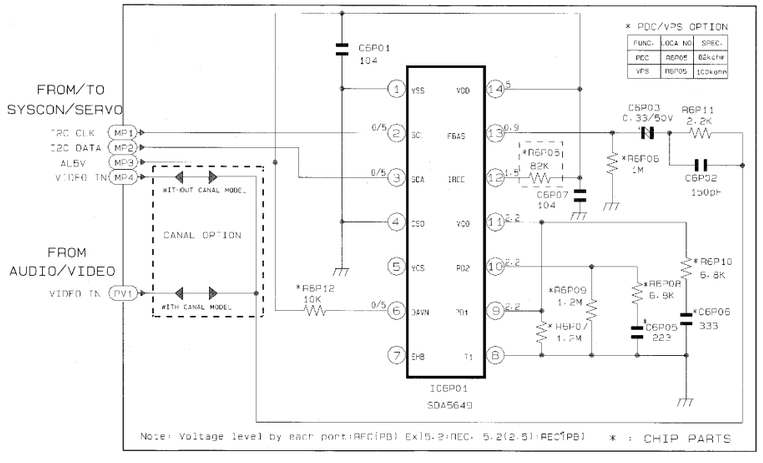


*** Composition for RF AGC adjustment**

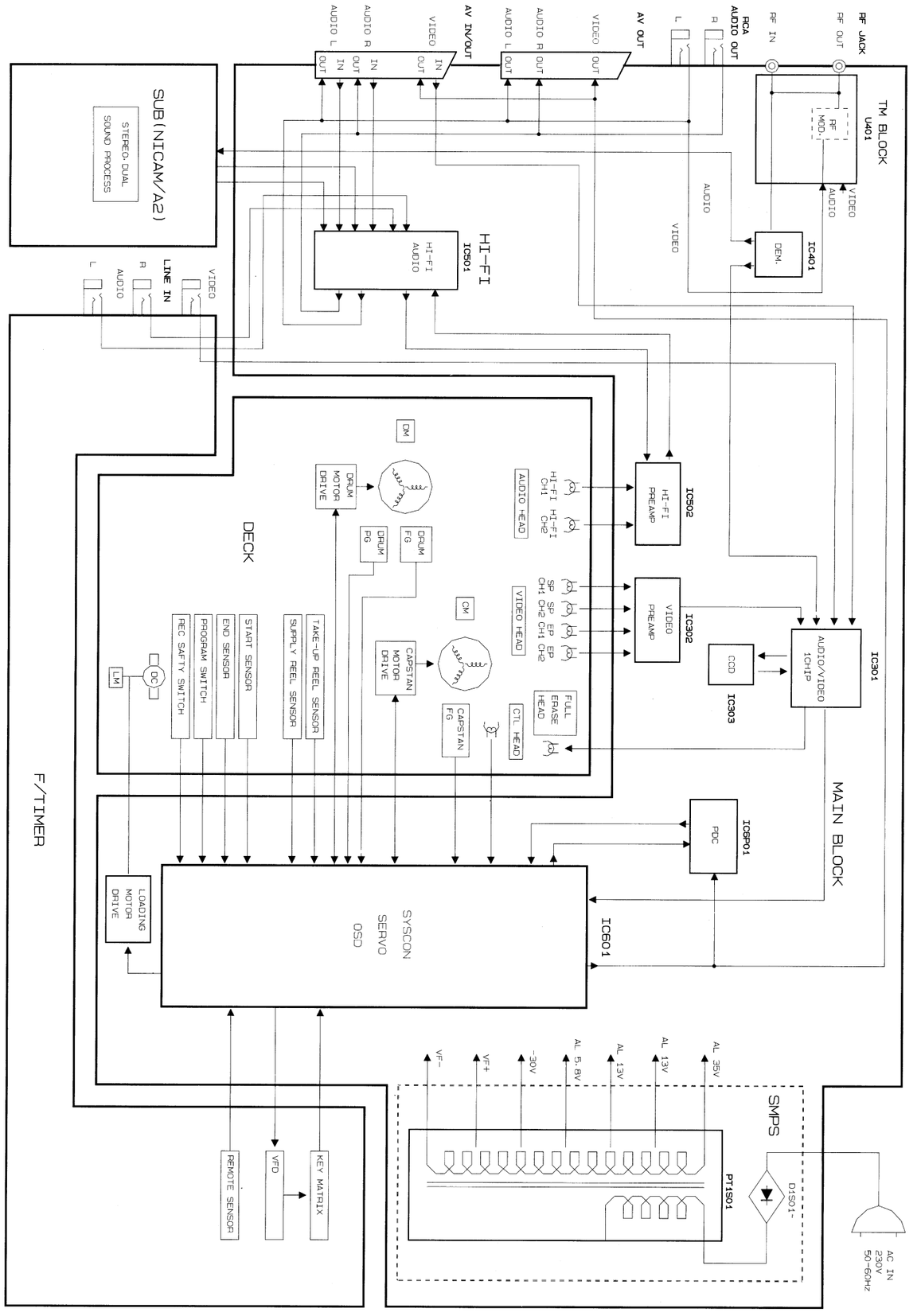
Remote Handsets


IC1
KS51810-05 QR 76
ICT01
Z86L76085SCR2955
FUNCTION KEY
K1 – K41 REW
K2 TV/VCR K42 PLAY
K3 POWER K43 F.F
K4 – K44 INDEX
K5 – K45 –
K6 – K46 OK
K7 TEST K47 –
K8 INDEX K48 –
K9 CH 1 K49 –
K10 CH 2 K50 CLEAR/RESET
K11 CH 3 K51 DISPLAY
K12 – K52 MENU
K13 TRACKING UP K53 SYSTEM
K14 TRACKING DOWN K54 –
K15 A.DUB K55 –
K16 – K56 –
K17 CH 4 K57 EJECT
K18 CH 5 K58 D.ATR
K19 CH 6 K59 OUTPUT SEL.
K20 – K60 –
K21 VCR/TV K61 –
K22 SEARCH K62 AFT
K23 – K63 PICTURE
K24 CLOCK/COUNTER K64 –
K25 CH 7 K65 INPUT SEL.
K26 CH 8 K66 SHIFT
K27 CH 9 K67 –
K28 – K68 –
K29 – K69 0
K30 – K70 –
K31 – K71 SHUTTLE–
K32 – K72 SHUTTLE+
K33 REC/OTR K73 CH-DOWN
K34 STOP K74 CH UP
K35 P/STILL K75 CH-UP
K36 SLOW-DOWN K76 SLOW
K37 – K77 VPS/PDC
K38 ▽ K78 –
K39 △ K79 SP/LP
K40 – K80 Q-PROGRAM

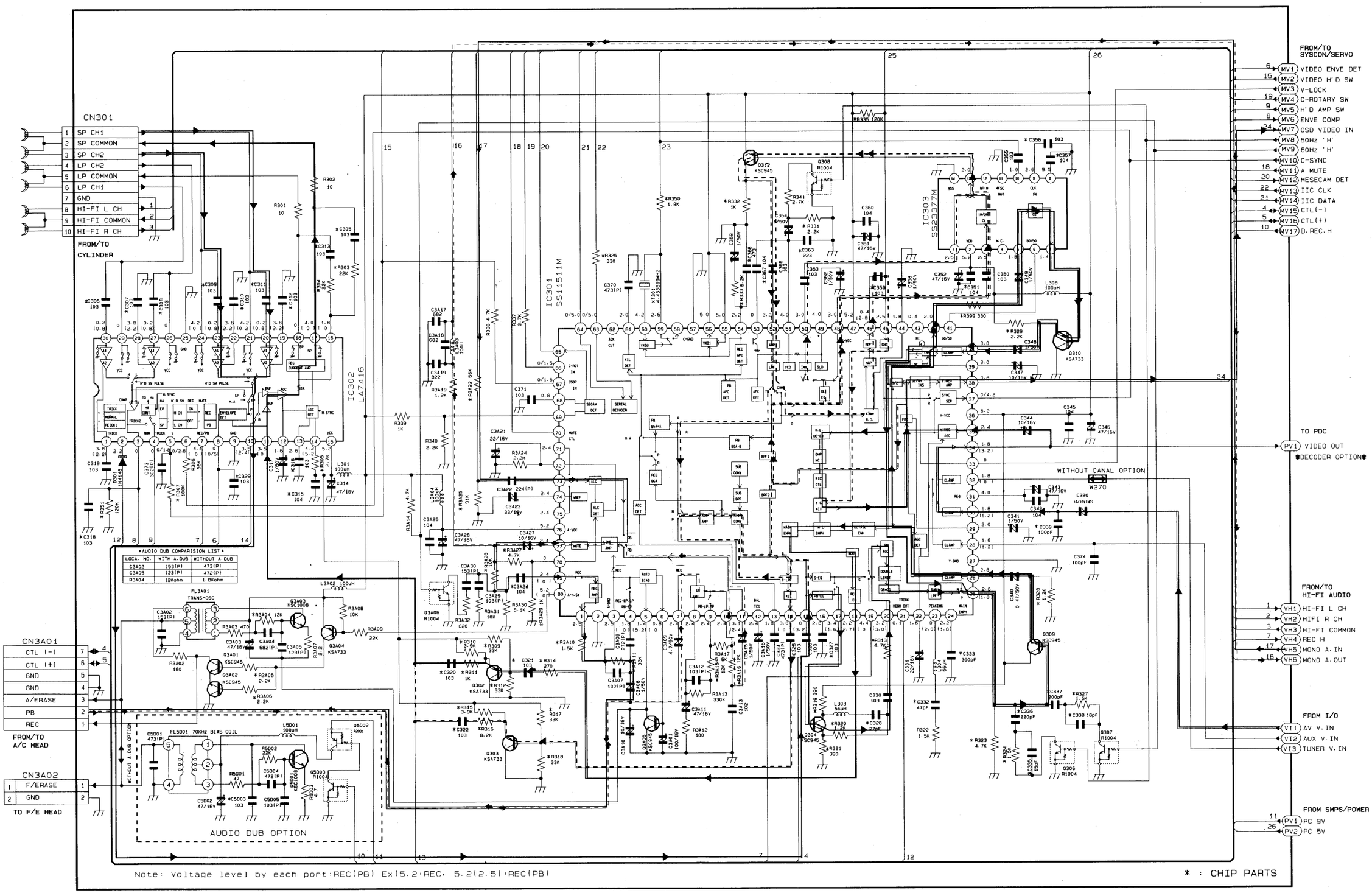
PDC Diagram



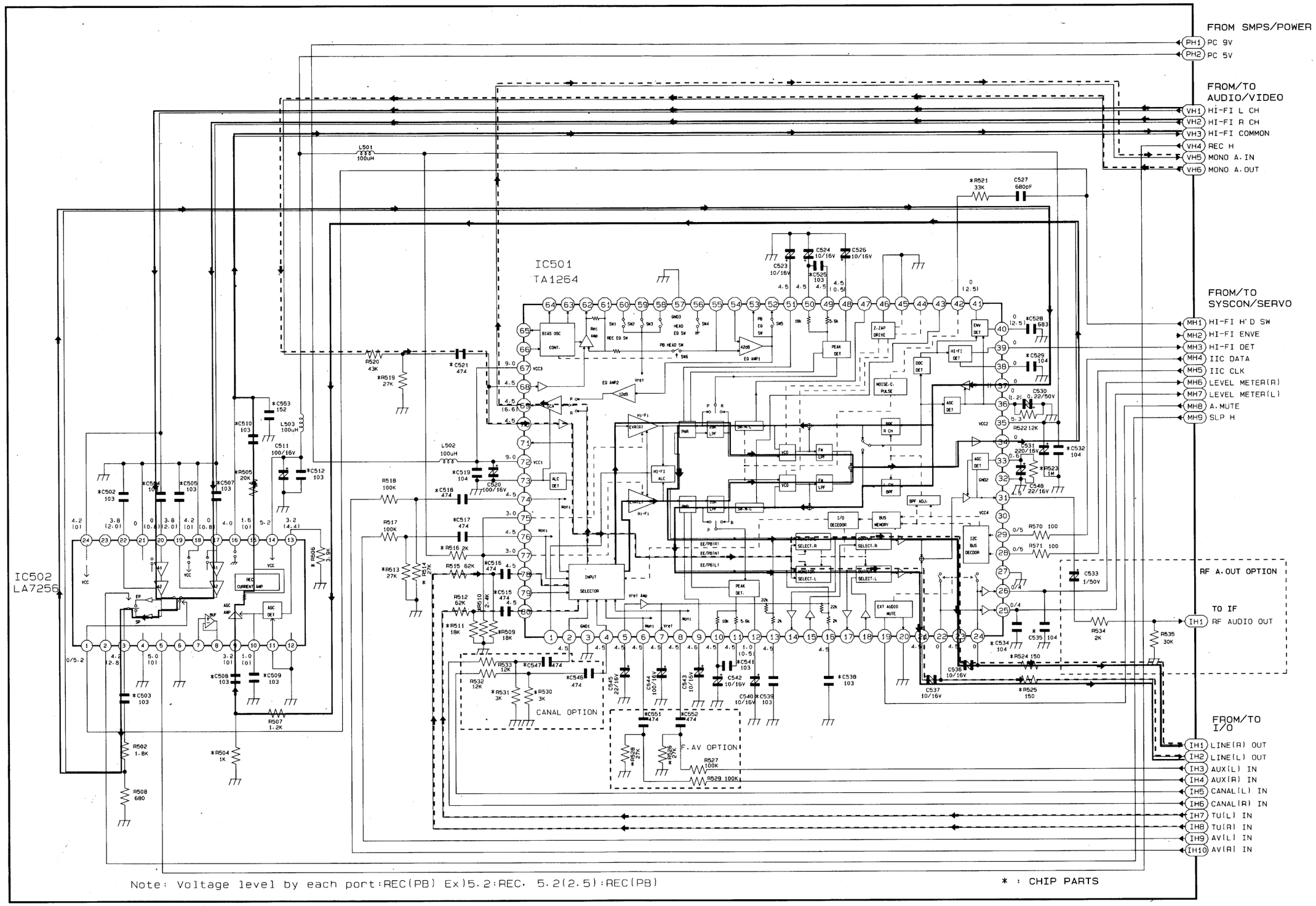
Block Diagram



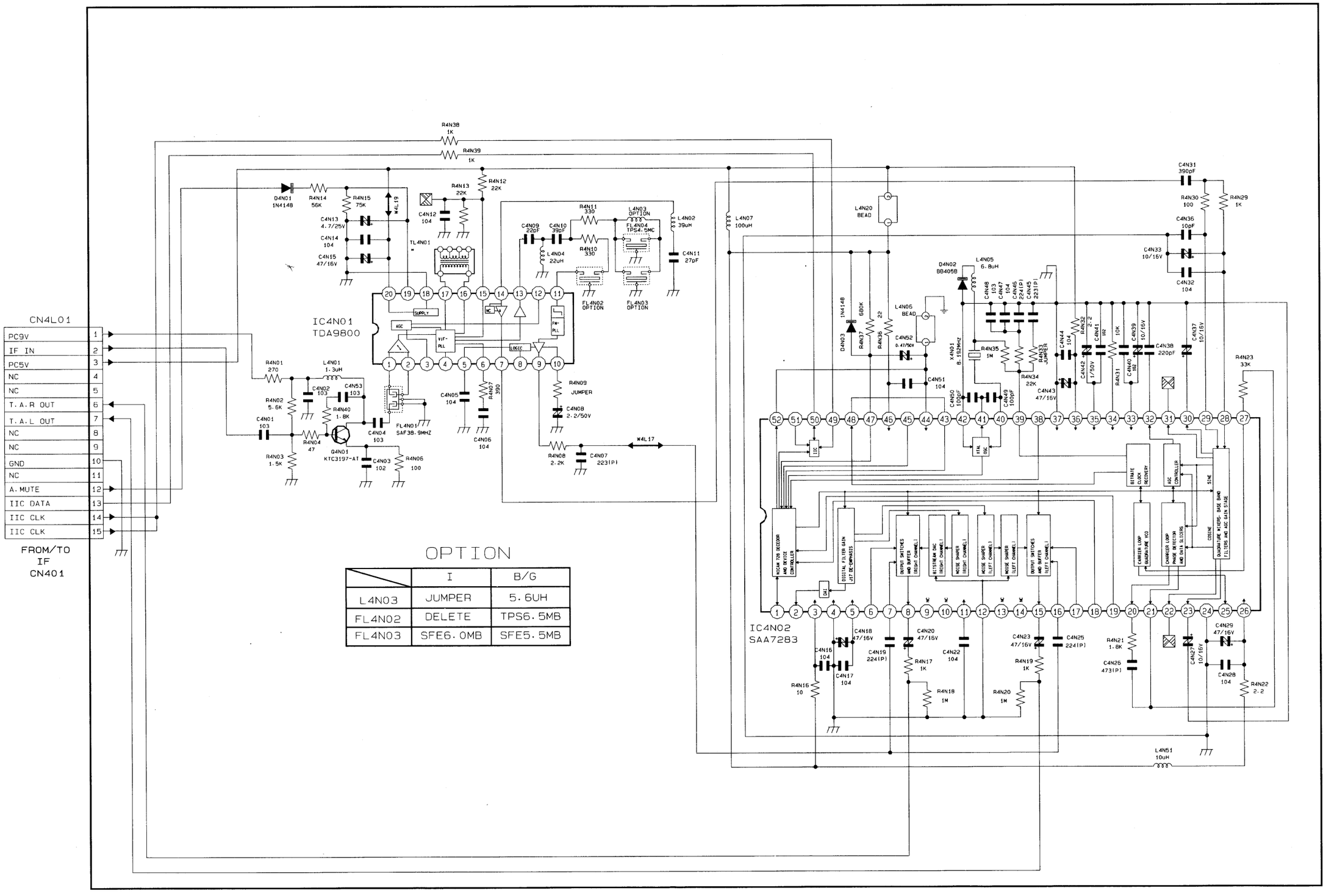
Audio Video Diagram



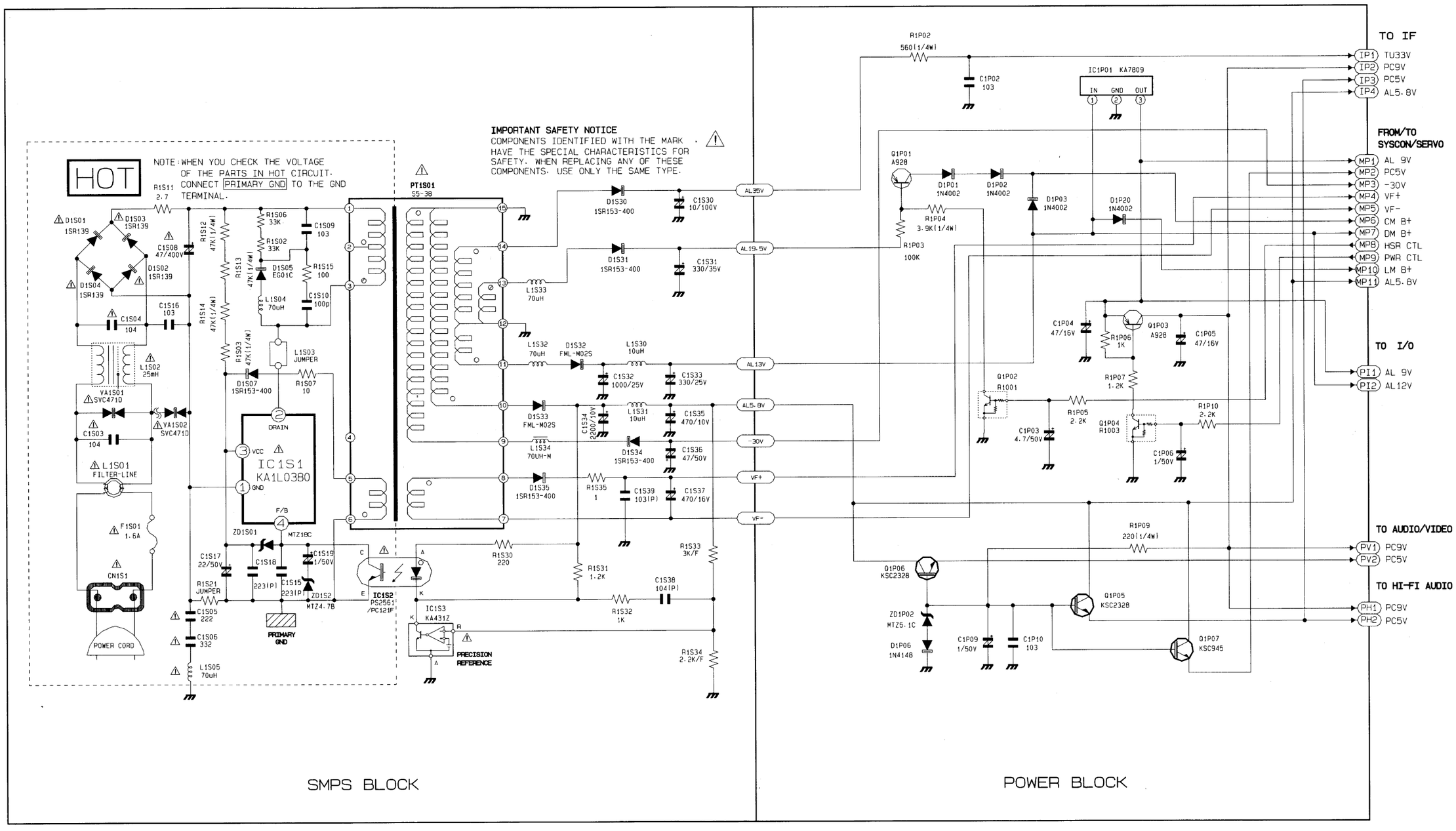
HiFi Diagram



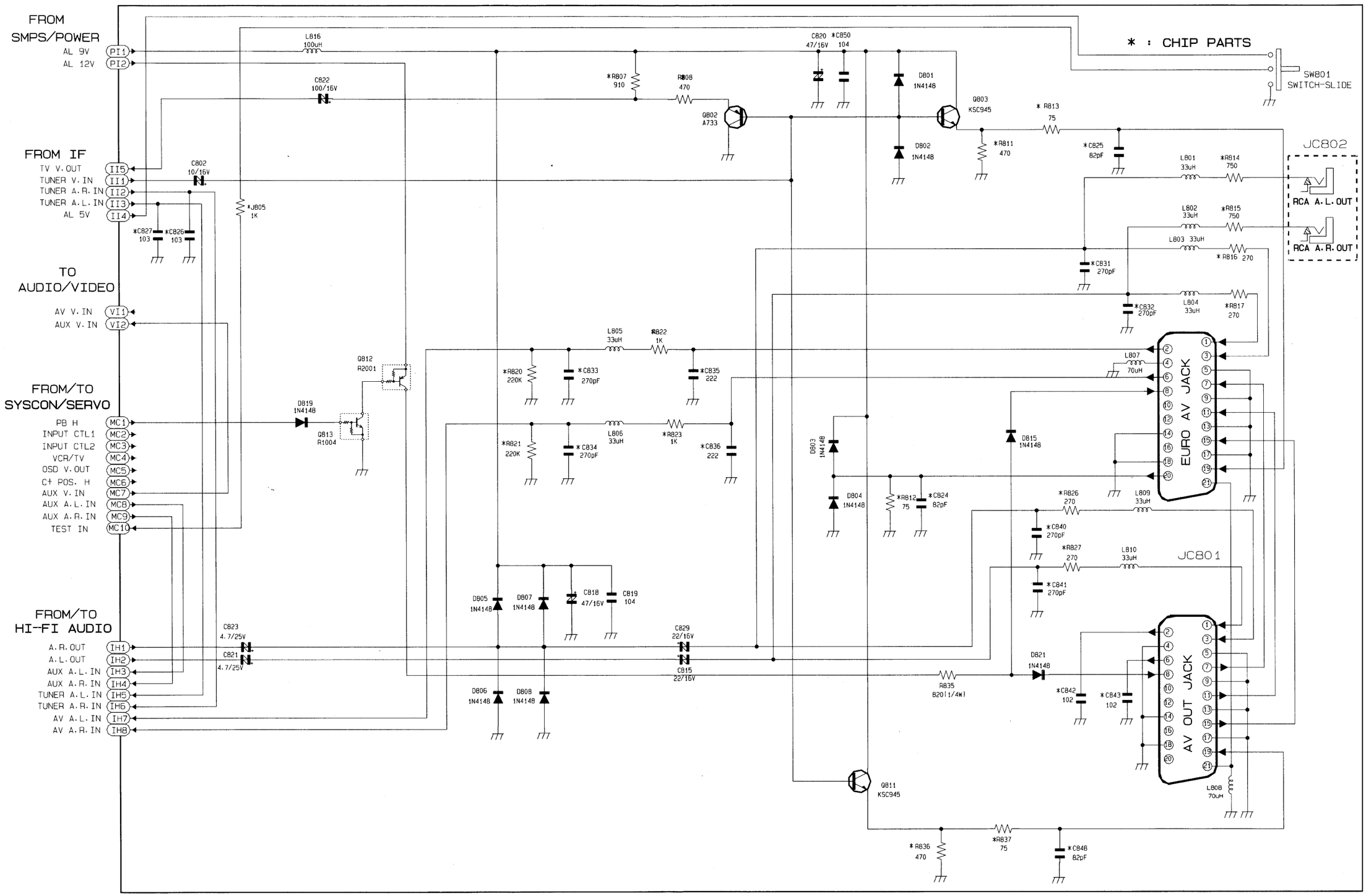
Nicam Diagram



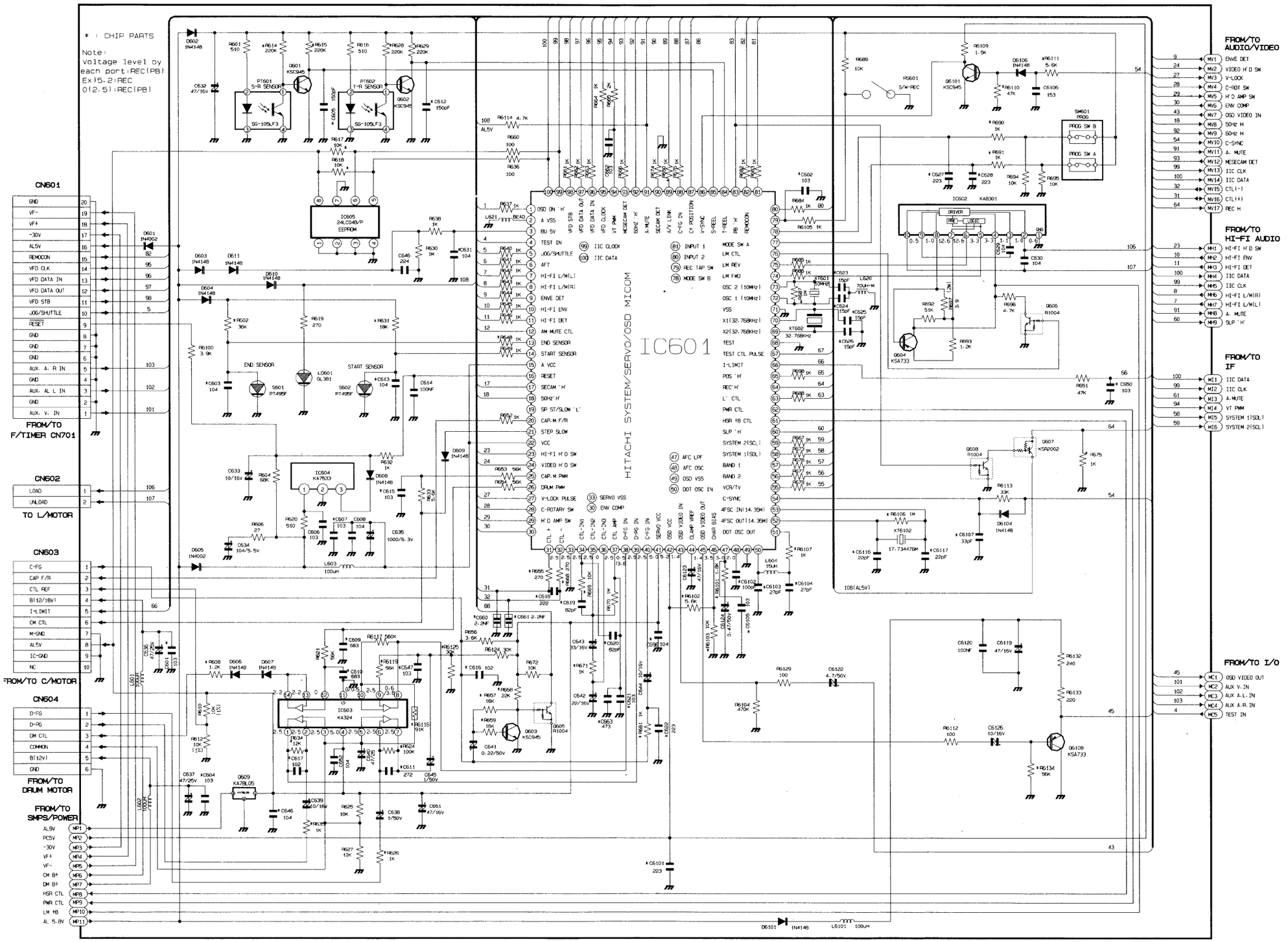
Power Supply Diagram



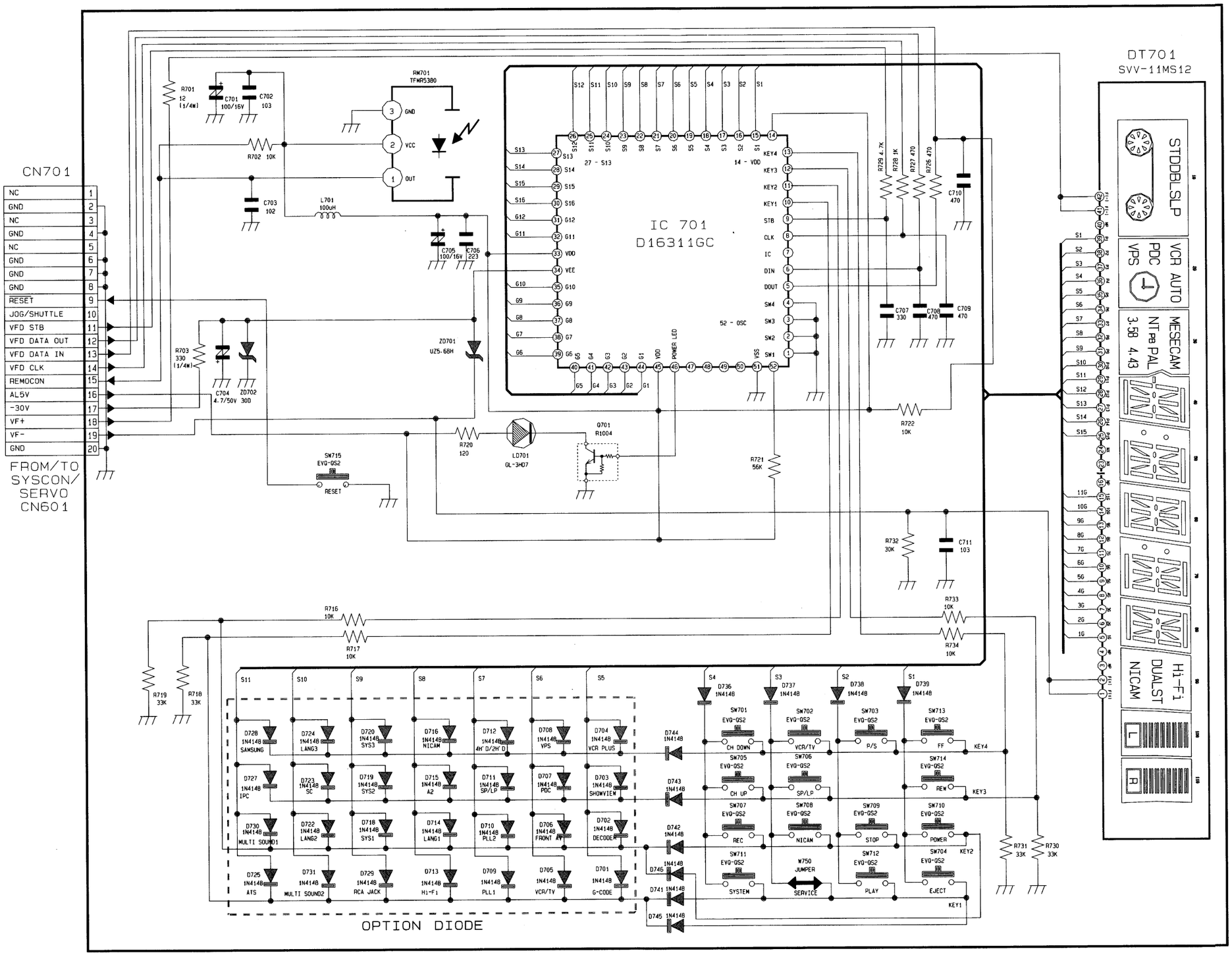
Scart Diagram



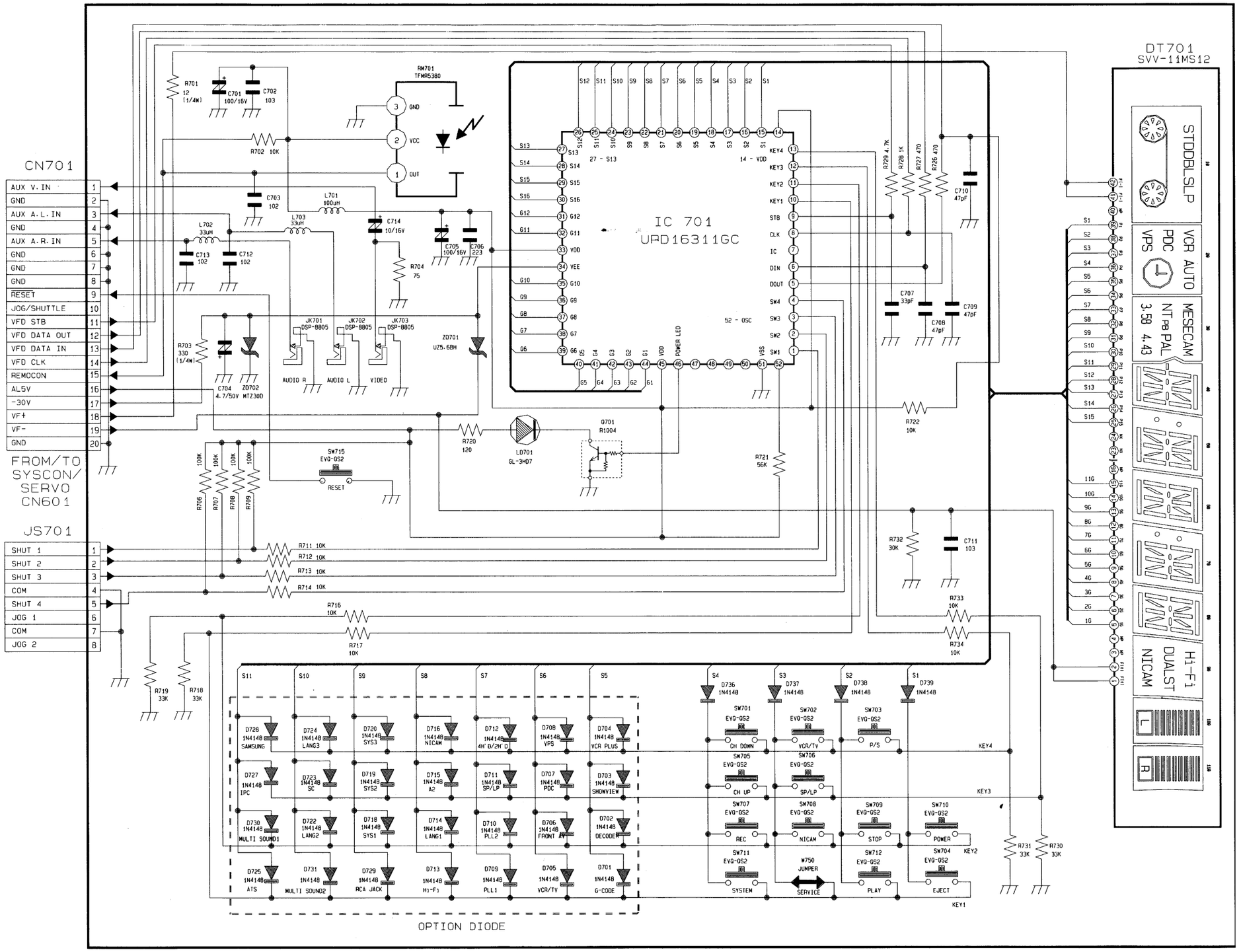
System Control Servo Diagram



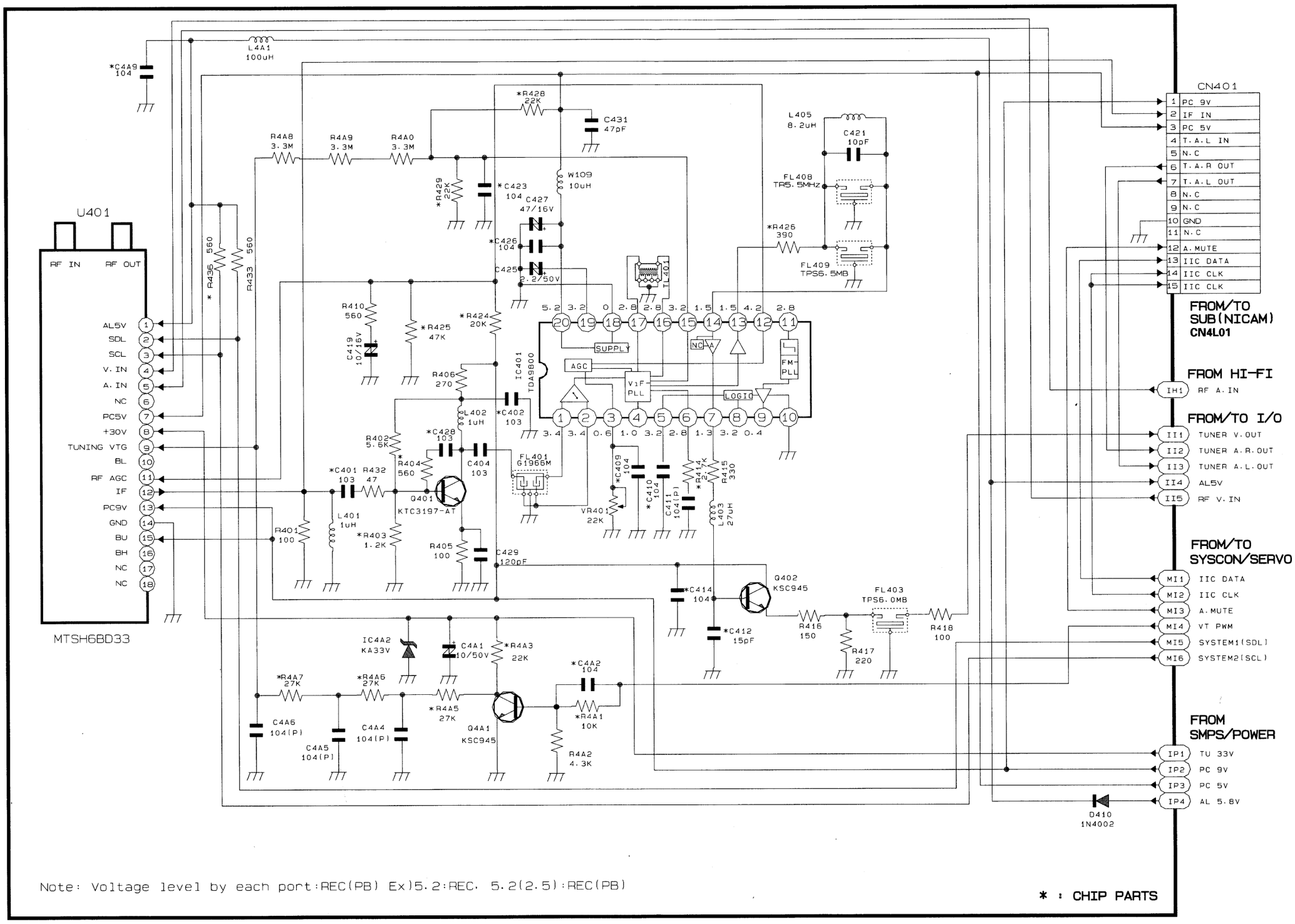
Timer Front PCB
(SV-A130 & SV-603)



Timer Front PCB
(SV-A140 & SV-605)



Tuner IF Diagram



Wiring Diagram